

THE · TECH



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THE TECH

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THE TECH

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OFFICE HOURS:

Editor in Chief, Monday, 12-1 P. M.
Business Manager, Saturday, 12-1 P. M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

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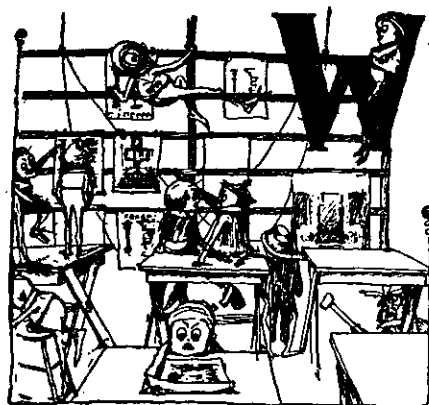


WE regret that there has been a misunderstanding among some of our readers in regard to the attitude of THE TECH with reference to the recent acts of certain members of the Freshman Class as an expression of their dislike toward the Course in Military Science. We wish to emphasize at once the fact that we are heartily opposed to any such demonstrations, no matter what the circumstances of the case. No good can be accomplished by acts of disrespect; further-

more a great deal of harm is done to the Institute at large by the inconsiderate deeds of a few hot-headed individuals.

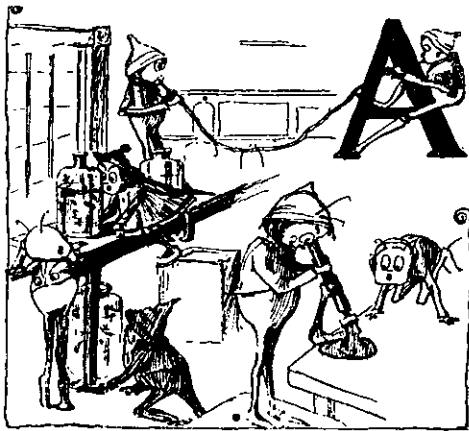
Another phase of the matter which has not yet been touched upon is the inactivity of the upper classmen in not putting a check upon these demonstrations; further, the tacit consent of certain upper classmen to these acts, as evinced by their presence during some of the disgraceful proceedings, deserve to be heartily condemned.

We can only repeat what was said last week. If the Freshmen have a grievance they should bring it before the Faculty in the proper manner, either directly or through the Institute Committee. If the Class desires to disclaim the recent acts, resolutions to that effect cannot be passed too soon. Action of some sort must be taken at once.



WE note with much satisfaction the action of the Musical Clubs in donating the proceeds of the coming annual winter concert to the Class of 1900 to help dissolve the Class debt. It is an act of generosity which cannot fail to help along the college spirit of co-operation for which we are striving so unceasingly. However, if such a policy be carried too far, there is a possibility of its being taken advantage of and future classes may be encouraged in a general carelessness and even in a disregard of their class honor. In this particular case, though, the Institute as a whole is indirectly responsible for a part of this debt because it did not support the Competitive Drill

Enterprise of 1900 as it should have done. Under these circumstances the action of the Musical Clubs is especially appropriate. It is earnestly hoped that 1900 will receive this helping hand in the spirit in which it is given and will prevent any stain on Technology's name by considering its own honor cleared only when the last cent of this most unfortunate debt is paid. And to this end let every Tech. man do his little part by helping to fill Huntington Hall to its utmost capacity on Wednesday evening, December 20.



A FEATURE of Institute life that is frequently neglected or lost sight of in the press of other matters is the benefit that is to be derived from con-

nection with the various professional societies at Tech. Smoke talks are held at the Technology Club by certain of the societies,—a custom that could well be followed by the others,—at which the members are addressed usually by some alumnus of the Institute, and a pleasant and profitable evening, both socially and instructively, is passed. Later in the year Seniors present parts of their theses, and subjects which are hastily and superficially passed over in the class room are brought up for discussion. One of the many advantages of these meetings is the practice in public presentation of subjects, and the proficiency acquired in the debates which often occur.

During the last few years these societies, many of which were hitherto of a transitory character, have been established on a firm and lasting basis. Recently a plan has been proposed by which they may be made still more substantial and beneficial,—a plan for

the amalgamation of all the engineering societies at Tech. Although many of the advantages of the smaller societies would thereby be lost, yet these would be more than counterbalanced by the more elaborate programs which it would be possible to arrange with one representative and well supported society.



T is with much pleasure that we print this week an article from the pen of Mr. Frank H. Briggs of the Class of '81 and now President of the Advisory Council on Athletics.

Mr. Briggs has done more perhaps than any other alumnus to place Technology Athletics on a firm basis, and his active interest deserves to be emulated by every Institute graduate.

His article shows clearly wherein Technology falls short of other colleges in regards to the moral support given to her athletic teams. He takes a decidedly cheerful view of the situation, however, and this, to our minds, is the first step towards rectifying some of the unfortunate conditions which now prevail.

Special Numbers.

Next week we shall issue the annual Christmas TECH. A special cover and a story will be the leading features. The following week a special Senior Number will be published, the profits from which will be given towards the 1900 Class debt. This number will contain accounts of the Senior Class Dinner and the Winter Concert, and will be of especial interest to all 1900 men. Advance tickets may be obtained from the editors and interested members of the Class.

Physical Training at Technology.

FRANK H. BRIGGS.

Considering the wonderful development in college athletics during the past fifteen years, it is strange, indeed, that at the Massachusetts Institute of Technology, where practical work is placed above mere theoretical teaching, so little attention is paid to the physical development of the student.

We have had a gymnasium to be sure, but the apparatus in that gymnasium is almost identical with that which was in the same building twenty years ago, when that building was on the site of the present Walker building. Even at that time, the Athletic Association was constantly obliged to furnish some of the paraphernalia in order to carry out the small games which we had in those days, and the rent from the lockers was absorbed in the general Institute funds, and was not set aside for the renewal of apparatus.

The movement now on foot for the erection of an adequate gymnasium, by the Alumni, is a most praiseworthy undertaking, and will result in great benefit to the students, but it is well nigh impossible to create interest among the majority of the under-graduates, unless a certain amount of exercise is required of each man.

Further than this, individual interest is always created by the teams which represent the college. Unless recognition is given to these teams, so that the students can see the practical advantages in belonging to such teams, the use of a gymnasium will remain limited. Moreover, team work in athletics is one of the best promoters of self-control and discipline to the individual. From still another stand, a successful athletic team is one of the best advertisements a college can have. On the other hand, physical training is not to be carried so far as to become pre-eminent in the participator's mind above his studies, but without, at least, the moral support of the professors and instructors, it is hard, indeed, for

a man who wishes to participate in this work and become one of the "Institute Team" to develop properly.

It is argued by some that team work is such an advance on general exercise that it should be frowned upon, and, unfortunately, it is so looked upon by many at the Institute of Technology. The desire for individual glory as a member of a football eleven creates among three or four times as many as can possibly play a desire to be one of the team. This year at the Institute over forty men participated in football practice, and some of these abandoned practice within a week, not because they could not develop sufficiently to become members of the eleven, but for the reason that it was gently suggested to them by higher authorities that they had better drop it. From the facts at hand, this does not appear to have been because the men were falling behind in their Institute work. Some men were "warned" almost as soon as it became known that they were trying for the team.

The moral support, therefore, is what is needed. If the Institute authorities will grant this, instead of forty men trying for a football team, and thus getting the exercise which is most beneficial to them, there would doubtless twice that number appear, to be "tried out."

The under-graduate, however, who is interested in football or track athletics (which seem to be the only two sports which can be carried on successfully at the Institute) should not be dismayed. The heaven will surely work as it has in other colleges, and the time must come when, at the Institute, as at almost every other college in this country, there will be an "athletic member" of the Faculty, who will have matters pertaining to team work, the gymnasium, etc. directly under his charge, and to whom the same deference will be shown in regard to his opinion, as to that of the head of any department of technical work.

M. I. T. at Paris.

The recognition which the Institute is receiving for its work in directions which are not technological or mechanical is again shown by the United States Department of Social Economics placing in the hands of the Department of Economics in the Institute the preparation of a series of charts for the educational exhibit at Paris next year. The data for the charts is furnished by the Board of Education at Washington and the charts when finished are to be forwarded to Albany, where the exhibit is to be assembled. The charts represent facts of age, sex, school population, number of teachers and of students in various classes in college and professional schools.

Another series is being prepared for the Massachusetts Commission on State exhibit, the data for which is being furnished by the State Board of Health, Charitable institutions, savings banks and various economic institutions and the collection and arrangement of mounted photographs of different state buildings and enterprises has also been begun. The work is under the supervision of Professor Davis R. Dewey of the Economic Department at the Institute.

Freshman Drill.

On Wednesday afternoon, Nov. 29, another brief chapter was added to the trouble between the Freshmen and Lieut. Hamilton. This being the day before Thanksgiving the Freshmen expected to be excused from drill. Their expectations were, however, not to be realized.

After the disturbances of the previous week, trouble was expected on Wednesday, and a large number of upper class men had gathered on Irvington St. long before 2 o'clock. As the Freshmen began to arrive, they were greeted with cheers by the assembled students, and when 2 o'clock arrived a crowd of nearly

500 was gathered in front of the Armory door. When the Freshmen had gathered in sufficient numbers they crowded up the steps in a body, closed the doors to prevent interference from within, and snapped a large chain and padlock on the iron gates in front of the doors.

Lieut. Hamilton, hearing the loud cheering with which the accomplishment of this feat was greeted, opened the doors and thus discovered his predicament. A locksmith happened to be at work in the building, and through his services, the gates were soon released and the Freshmen obliged to drill.

A large crowd surged into the drill hall, but after the squads were formed all except members of the battalion were put out. At roll call it was found that nearly a quarter of the battalion was absent, and this large list of absentees somewhat dampened the ardor of the Freshmen and the remainder of the afternoon was passed without incident.

Course I. '99 Reunion.

A family reunion of Course I. '99 men, following the profession in the neighborhood of Philadelphia, Pa., took place in that city, Saturday, November 18, 1899. The programme of the day was as follows: morning, city sight-seeing; afternoon, National Export Exposition; evening, theatre.

All of the boys can still be recognized from their photographs of last June. Hermann has grown fat on bridges; Pinkham tall from levelling. Sites and Woollett continue to carry that meek and humble countenance. Starr shines as of old. Price has some experience to base his talk upon,—and he talks. A miniature mustache, "*a la française*" has taken possession of Herman.

Parting was late and long. A silent three times three for Technology and — good-bye.

Great Southern Handicap — Negro race. — Ex.

Communications.

The Editors do not hold themselves responsible for opinions expressed by Correspondents.

TO THE EDITOR OF THE TECH:—

I should like to call the attention of Tech. students and especially of the Class of 1903 to the Hare and Hounds Club.

Cross-country and Hare and Hounds running is a branch of athletics that does not receive the attention that it should in this country. The superior endurance of the English athletes as shown by their winning all the runs (except the hundred), in the Inter-University meet last summer is a testimonial to the value of cross-country running as a basis for athletic training. The athletic authorities of Yale, always quick to see the weaknesses of their teams have this year given up the usual fall meet and put all Track Team candidates to work in Cross Country and Hare and Hounds Runs.

This does not mean that the Hare and Hounds Club is only for crack athletes, or that the object is to make the greatest possible speed. The majority of our members never take any part in the track meets, and it is the duty of the Captain to see that no one is left behind on the runs, and that the pace is not too much for the new men. Those who wish to try for speed are given a chance to run for "Home" at the last end of the runs, and a Championship Run with handicaps and prizes is held in the spring.

The Club cordially invites all students who want exercise in the fresh air to attend the runs, and assures all who do come an enjoyable time; for few men run with us once who do not come again.

FREDERICK H. HUNTER, '02,
Manager.

Technology Calendar.

Thursday, Dec. 7, 4 p. m. '03 Class Meeting. Huntington Hall.

Friday, Dec. 8, 1 p. m. Hockey Club. Room 22. Rogers.

Saturday, Dec. 9. Hare and Hounds Run from Chestnut Hill. Leave Gym at 2.

Monday, Dec. 11, 8 p. m. Electrical Engineering Soc. Technology Club. Subject: "Heavy Power Transmission," by Dr. Louis Bell.

"Are these real down pillows?"

"Oh, no! they're only marked down for the holidays." — Ex.



Maxwell Vietor ex-'02 has been granted a leave of absence for one year by the Faculty, in order to take up practical railroad work with the Boston and Maine R. R.

As Lieut. Hamilton will not have his notes on Military Science printed, a few enterprising members of the Freshman class have taken the matter up, and it is probable that before long a complete set of his notes will be prepared.

Mr. C. E. Lord, '98 who has been an assistant in the Physical Laboratory since the opening of the term, has resigned his position to enter the United States Patent Office at Washington. Mr. Lord has just received the appointment of Fourth Assistant Examiner, the examination for which he passed last June.

The Civil Engineering Society held its 98th regular meeting on Nov. 27, at 4.15 p. m., in 22 Eng. B. Papers were presented by C. H. Richardson, W. G. Wildes and F. H. Bass, describing respectively a boundary survey, the North Dike of the Wachusett Reservoir, and the Marlboro filter beds, works on which they were engaged last summer.

The Class of 1902 held the most successful meeting of the year, in the Chemistry lecture room, Wednesday, Nov. 29th, at 1 o'clock. Nine dollars was appropriated to cover the additional expense of the Cane Rush. The report of A. H. Sawyer, manager of the football team, was read and accepted. G. T. Seabury was elected manager of the track team and F. Gannett elected manager of the

baseball team. It was voted that the President appoint a committee of three to procure designs for the Class canes and pipes.

Through the courtesy of Mr. F. Augustus Schemerhorn, the use of his steam yacht, the *Freelance*, was obtained by T. W. Brigham and Morgan Barney for a progressive speed trial. The trial was made on Saturday, December 1, off Greenport, Long Island, and was entirely successful. Prof. C. H. Peabody, Mr. Clark, J. W. Hussey and F. Poole, from the Institute, were on board during the runs, and assisted in the pilot house and the engine-room.

The second Smoke Talk of the Electrical Engineering Society will be held at the Technology Club, Monday evening, Dec. 11, at eight o'clock. Dr. Louis Bell will speak on one of the most interesting electrical questions of the day, namely, Heavy Power Transmission. All course VI. men are invited to attend and should avail themselves of this opportunity of hearing so noted an authority on heavy current work.

The following men have been appointed collectors in the various courses for the collection of the Senior Class assessment:—I., C. M. Leonard; II., M. L. Sperry; III., J. H. Batcheller; IV., L. M. Lawrence; V., J. F. Brown; VI., H. Littlefield; IX., H. H. Howe; X., S. G. H. Fitch; XIII., T. W. Brigham. Assessments from men in those courses in which no collectors are named may be paid to the Class Treasurer, J. H. Batcheller.

The Executive Committee of the M. I. T. A. A. met Tuesday at noon, with President MacMaster in the chair. The date of the winter meet was set for Friday evening, December 22, at the gymnasium. After considerable discussion, the Pole Vault was struck from the list of events, and a Class Team Race substituted. This Team Race is run in four relays of 35 yards each, and should prove very exciting. The race will not count however, toward the class championship.



Entry blanks have been posted in the gym. for the B. A. A. cross country run to be held next Saturday.

At a meeting of the Sophomore track team held recently Seabury, '02, was elected manager for the ensuing year.

Pember '02 and Hunter '02 ran in the Hare and Hounds Run of the Takawampait Canoe Club on Saturday, finishing first and second hound respectively after a stiff run of five miles.

The correct score in the Cane Rush is 1902, 20 hands; 1903, 17 hands, instead of 20 to 8 as stated in THE TECH. The latter score was the one first announced by the referee, hence the mistake.

The relay team of '98-'99 made such an enviable reputation for itself that the Red and Gray can ill afford to be represented by an inferior team hereafter. All the members of last year's team are back, Hall, McMasters, Priest, and Garrett, and the outlook for this year is as bright if not brighter than ever before. The team will go to Philadelphia this year to the University of Pennsylvania meet, and this certainly must be an inducement to every man who can run to come out. M. A. Hall will again captain the team.

The Tech. Hockey team have been trying to secure the gym. to practice in, in preparation for the opening season. Application was made to Mr. Knight for such permission, but the same was not granted. The gym. is fully occupied at present and further use of the

floor especially for hockey practice is out of the question. Efforts are being made to obtain the "chutes" for practice, and, if the work of the team justifies it, games will be arranged with Yale, Harvard, Brown and all the good college teams. R. A. Burr has been appointed manager of the Hockey team in place of J. T. Cheney, resigned.

New Telephone System.

The latest of the recent improvements at Technology has been the installation of a complete telephone system connecting every department of the Institute. There are twenty-four stations in all. A "sub-central" office is located at the Secretary's office, by means of which any department may be connected to any part of the city. The various departments are called by a private system of numbers. The telephone fills a long felt want in furnishing a rapid means both of sending messages from the office and of communication between the various departments.

Book Notices.

Among the new list of books of Harper & Brothers, Publishers, is one entitled "Reminiscences of the Santiago Campaign," by Capt. John Bigelow, Jr., U. S. A. Capt. Bigelow was Professor of Military Science and Tactics at the Institute for four years, '94-'97, and will be remembered as one of the most popular drill masters that Tech. has ever had.

"Discussions in Economics and Statistics" is the title of the recently published volumes containing selections from General Walker's shorter contributions to Economics through a period of over twenty-five years. The work is published in two volumes, the first of which treats of Finance and Taxation, Money and Bimetallism and Economic Theory; the second deals with Statistics, National Growth and Social Economics. The books have been edited with great care by Professor Davis R. Dewey of the Institute.

THE TECHNOLOGY REVIEW

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New Dormitory for Brown.

It has lately been announced that a new dormitory will be erected for Brown University during the winter, and that the work on it will begin in a few days. It will be owned by Arthur C. Walworth, of Boston, will be under the control of the university, and will receive official recognition by the university authorities.

The Suburbs of the Hub.

"May I be permitted to call?" asked the Freshman, shyly.

"Yes," cried she in triumph. "Take a Reservoir to the end of the route. Get off, and turn to the left. Walk three blocks; turn to the right for five blocks; then count the telephone posts. When you have counted thirteen, count the houses on the left. Ours is the fifth from the thirteenth post. If you come in the evening bring a lantern and a lamb-chop, for the drive-way is dark, and unless you throw Towser a chop, he'll bite."

"Thank you," exclaimed the Freshman, catching his breath.—Ex.

Financially Embarrassed.

1st Senior. — Hello! where's your overcoat?

2nd Senior. — Oh, that's all right. I'll get it back next month. Just had to buy a copy of Getty's Notes on Friction. So long — can't stand still and freeze.



'87. Mr. W. S. Thompson, I., has gone to the Western, New York and Penn. Ry., as division engineer, headquarters at Oil City, Pa.

'95. W. J. Drisko, who has been instructor in Physics at the Institute until this fall, has been elected Professor of Physics at Bowdoin College, to succeed Professor Hull, resigned, to take an assistant professorship at Dartmouth College. Professor Drisko will assume his new duties Jan. 1, 1900.

'96. Mrs. Marion L. Chamberlain, IV., has just returned from abroad. This is her first visit home since the death of her husband, H. W. Chamberlain, IV., '96.

'97. Frederick Nelson Le Baron, IV., who covered right end on the '96 and '97 Varsity teams, visited the Institute during the recess. Mr. Le Baron is engaged with the American Luxfer Prism Co., of New York.

'98. Mr. D. A. Brown, VI., is studying electricity and oils at the Königsche Technische Hochschule, in Berlin, Germany.

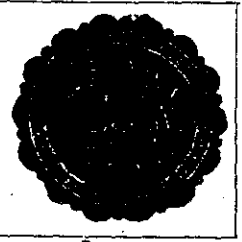
'99. Mr. F. O. Clapp, I., is assistant engineer in the city engineer's office, in Providence, R. I.

'99. Mr. Gerald B. Street, II., is at present a student at the State School of Mines, situated at Golden, Colo.

'99. Mr. Stanley Motch, III., was in Boston for a few days recently visiting friends.

'99. Mr. Granville Smith, XIII., of Newport News, paid a flying visit the other day to his old department, while on a short vacation.

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With all the requirements of a bounteous Thanksgiving amply fulfilled, and with a conviction that the Tech. Lunch-room is after all not the only place on the Midway, THE LOUNGER turns luxuriously back to his Technological duties, holds a match to the end of the cigar that he mislaid one week ago, and again grapples with the cares and exactions of his editorial position. The atmosphere of sadness that pervaded the office of THE TECH at the former writing still remains; and forsooth, THE LOUNGER's chair possesses no nearer approximation to the normal and requisite number of legs than it did when last he left it; yet somehow everything seems happy and luminous compared with what it did in the seven days previous. Thanksgiving has indeed wrought wondrous changes. Ah, muse, how potent is the charm that rises o'er the senses' calm, — though anxious once and critical, yet quiet now and pleasurable — when the inner man is made content, and thought, to recollection bent, fair visions to the memory brings and makes illusions o'er all things! Nothing like it!

In every clang of the speeding electric, THE LOUNGER fancies a note of the melodious dinner-bell of that glorious Thursday. In every bite of chapel refreshment, he notes a flavor of turkey, with just a suspicion of an odor of plum-pudding. In every cloud of smoke that issues from his pernicious weed, he sees the smiling visage of the coy cousin whose hand left his so short a time ago: and he recalls the laughing eye, the witching curl, the pouting lip — but THE LOUNGER wanders; Technology men aren't interested in this sort of thing, and matters scientific press for admittance to his attention. Making a final exclamation point, he turns the favored page, changes his pen from the red ink to the black, and commences on a new leaf.



The following harrowing experience of a certain Professor of Physiology, who holds forth in the second floor of the Pierce edifice, may, THE LOUNGER thinks, not only prove instructive to many, but also enable

all other Institute instructors to be on their guard and thus become themselves seasonably and moderately prepared for any similar occurrence. Not long ago, two blonde and fluffy damsels knocked at the door of this Professor's office in a manner at once timid and coy. Said the Physiologist "Come in," and he looked up in amazement from the "*Zeitschrift fur Psychologie und Physiologie der Sinnesorgane*" he was reading, as the maidens entered and stood giggling. This tableau was too affecting to last, and finally one of the visitors began; "We-we-don't exactly know how to say it — but — but — do you — ever — do you — he-he! — do you — ever — have any use — for models?" It is written that the listener grew all shades of scarlet as he politely told the damsels that Physiology was not taught by means of models, and directed them to the fifth floor.



It is with no inconsiderable pleasure that THE LOUNGER notes the goodly distribution of wealth promoted by the Freshmen as they tickle their vanity by investing in resplendent new drill suits at the rate of \$14.10 per corpus. The Freshmen, too, appreciate the true beauties of the privilege which is theirs, though some of the more revolutionary have objected to the price as somewhat excessive for this time of year. Earnest efforts on the part of the Corporation, the Faculty, Mr. Riddler, and the Institute Committee, to get the price reduced to fourteen dollars pat have, however, been totally in vain. \$14.10 it is and \$14.10 it will remain. *Fiat Fit*; which is Latin and means that a good fit is guaranteed for the money. Yet THE LOUNGER would suggest that this increased price is not an unmixed evil; for, as the following simple arithmetic will show, it will enable the wily Freshman to coin a little chapel-money in the bright days to come. One year from now, when new neophytes have gathered near, the Freshmen can sally out, surround the strangers even as they themselves have been surrounded, and can dispose of their suits at the low price of \$16.50, thus winning \$2.40, — if THE LOUNGER's automatic subtractor works correctly, — in return for the year's toil of wearing the suit. Certain timely considerations may awaken the thought that this payment is none too high; but THE LOUNGER would remind his devoted readers that a mighty boon, — till then, ungiven, — will be obtained by this humanitarian operation. Herein lies the boon: the opportunity will be given for surpassing the Class of 1902; for of these people the boldest who now offers his suit for sale seeks but a dollar or a "dollar ten" clear profit in the transaction. \$2.40 as bonus is a thing un hoped for, yea, unimagined, by them. Then let all those loyal sons of 1903 buy drill suits and forget the defeat of the cane-rush and of the football game in the determination to taste of the sweetened victory of the future in fleecing the innocent new-comer to the tune of two dollars and forty cents.

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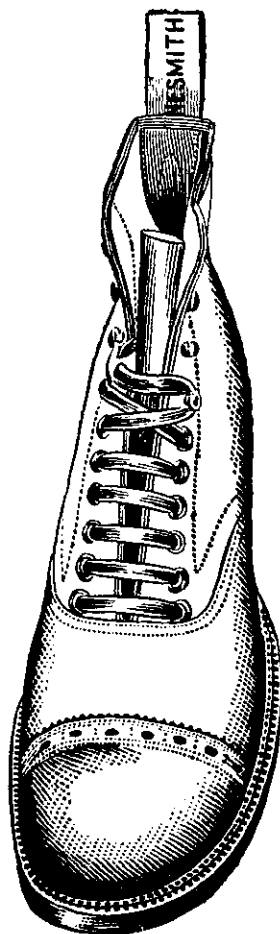
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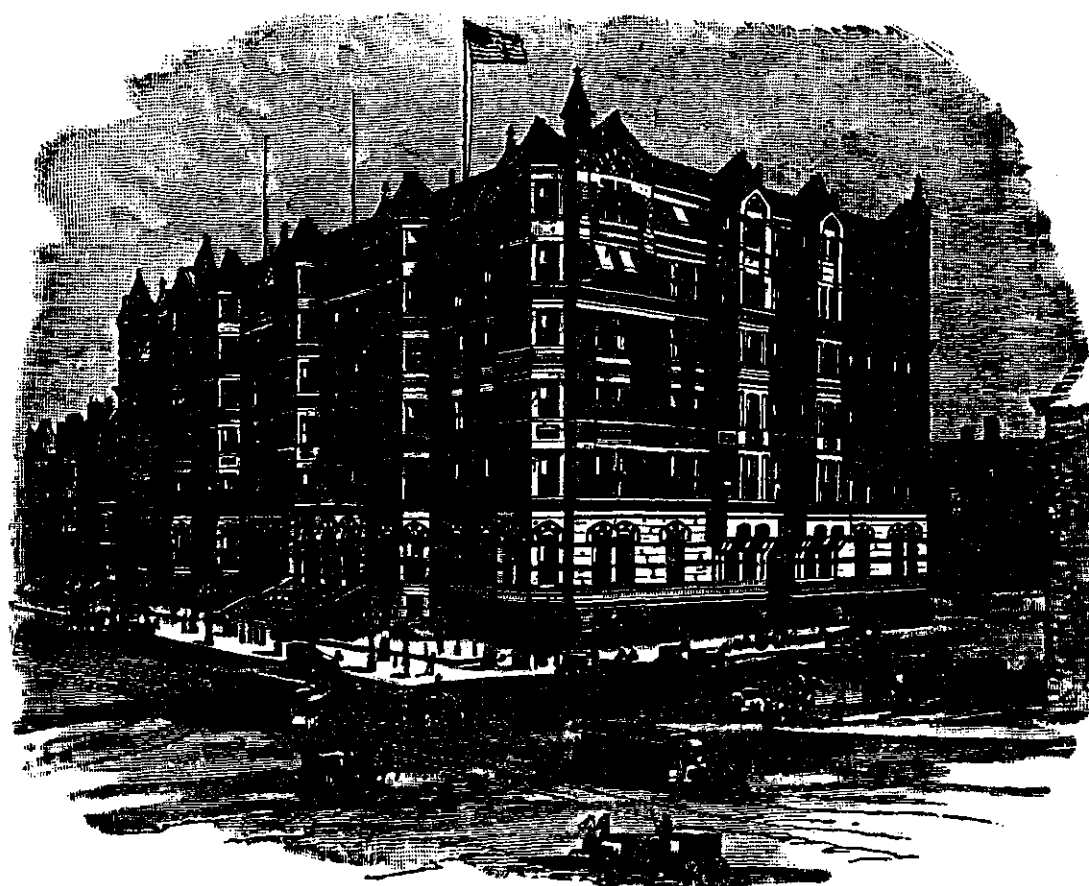
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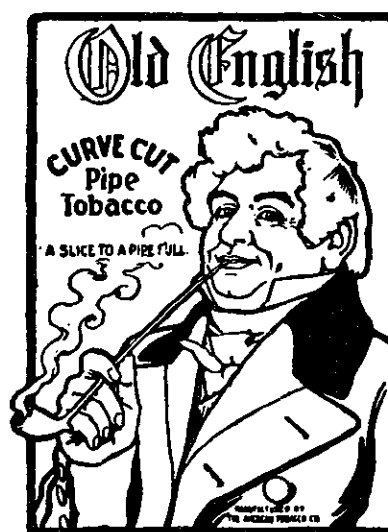
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